

What is claimed is:

1. An article, comprising:
  - a substrate;
  - a permanent adhesive; and
  - a plurality of flock fibers adhered by the permanent adhesive to the substrate,
- 5 wherein the flock fibers comprise poly(cyclohexylene-dimethylene terephthalate),  
wherein the flock fibers are oriented transversely to the adjacent surface of the substrate,  
and wherein the flock fibers are at least about 20% crystallized.
2. The article of Claim 1, wherein the fibers are heat set, extruded, and/or  
drawn at a temperature of at least about 180°C.
3. The article of Claim 1, wherein the substrate is a thermoplastic backing  
film.

4. A method for forming an article, comprising:

providing a flocked surface, wherein the flock comprises at least about 25 wt.% of a terephthalate polymer having a repeating unit of the formula of Figure 15, where "R" represents independently a substituted or unsubstituted alkyl or aryl group and "S" is an aromatic or nonaromatic cyclic residue which can include one or more heteroatoms; and

sublimation printing the flocked surface to form a printed article, wherein the flock is heat set at a temperature at or above the maximum flock temperature during sublimation printing.

5. The method of Claim 4, wherein the polymer has a glass transition temperature of at least about 75 degrees Celsius.

6. The method of Claim 4, wherein the flock has a percent elongation of at least about 25%, a compression recovery (from 34.5 mPa) of at least about 30%, and a deflection temperature at 18.8 kg/square cm of at least about 215 degrees Celsius.

7. The method of Claim 4, wherein the polymer is poly(cyclohexylene-dimethylene terephthalate).

8. The method of Claim 4, wherein the flocked surface comprises a release sheet, a plurality of flock fibers, and a release adhesive between the flock fibers and the release sheet.

9. The method of Claim 4, wherein the flocked surface comprises a plurality of flock fibers adhered to a hot melt adhesive.

10. The method of Claim 4, wherein the flocked surface comprises a plurality of flock fibers adhered to a thermoplastic backing film.

11. A method for providing a molded article comprising:  
providing a flocked surface, the flock surface comprising at least one of a  
terephthalate polymer and nylon;  
sublimation printing the flocked surface to form a printed article;  
5 forming the printed article into a three dimensional shape;  
positioning the formed printed article in a mold; and  
introducing a resin into the mold to form a molded article.

12. The method of Claim 11, wherein the flock comprises at least about 25  
wt.% of a terephthalate polymer having a repeating unit of the formula of Figure 15,  
where "R" represents independently a substituted or unsubstituted alkyl or aryl group and  
"S" is an aromatic or nonaromatic cyclic residue which can include one or more  
5 hereoatoms and wherein the flock has a melting point of at least about 200 degrees  
Celsius.

13. The method of Claim 12, wherein the polymer has a glass transition  
temperature of at least about 75 degrees Celsius.

14. The method of Claim 11, wherein the flock has a percent elongation of at  
least about 25%, a compression recovery (from 34.5 mPa) of at least about 30%, and a  
deflection temperature at 18.8 kg/square cm of at least about 215 degrees Celsius.

15. The method of Claim 12, wherein the polymer is poly(cyclohexylene-dimethylene terephthalate).

16. The method of Claim 11, wherein the flocked surface comprises a release sheet, a plurality of flock fibers, and a release adhesive between the flock fibers and the release sheet.

17. The method of Claim 11, wherein the flocked surface comprises a plurality of flock fibers adhered to a hot melt adhesive.

18. The method of Claim 11, wherein the flocked surface comprises a plurality of flock fibers adhered to a thermoplastic backing film.

19. A method for forming a molded article, comprising:
- providing a flocked surface, the flock surface comprising a terephthalate polymer having a repeating unit of the formula of Figure 15, where "R" represents independently a substituted or unsubstituted alkyl or aryl group and "S" is an aromatic or nonaromatic
- 5 cyclic residue which can include one or more heteroatoms;
- forming the flocked surface into a three dimensional shape;
- positioning the formed flocked surface in a mold; and
- introducing a resin into the mold to form a molded article.
20. The method of Claim 19, wherein the flock has a melting point of at least about 200 degrees Celsius.
21. The method of Claim 19, wherein the polymer has a glass transition temperature of at least about 75 degrees Celsius.
22. The method of Claim 19, wherein the flock has a percent elongation of at least about 25%, a compression recovery (from 34.5 mPa) of at least about 30%, and a deflection temperature at 18.8 kg/square cm of at least about 215 degrees Celsius.
23. The method of Claim 19, wherein the polymer is poly(cyclohexylene-dimethylene terephthalate).

24. The method of Claim 19, wherein the flocked surface comprises a release sheet, a plurality of flock fibers, and a release adhesive between the flock fibers and the release sheet.

25. The method of Claim 19, wherein the flocked surface comprises a plurality of flock fibers adhered to a hot melt adhesive.

26. The method of Claim 19, wherein the flocked surface comprises a plurality of flock fibers adhered to a thermoplastic backing film.